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Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier Lawson Battery Terminal Protector Yellow
 Other means of identification 19925
 Recommended use Coating
 Restrictions on use For industrial use only

Supplier

Corporate Headquarters:
 Lawson Products, Inc.
 8770 W. Bryn Mawr Ave., Suite 900
 Chicago, IL 60631
 (866) 837-9908

Canadian Distribution Center:
 Lawson Canada
 7315 Rapistan Court
 Mississauga, ON L5N 5Z4
 (800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Symbol



Signal word DANGER

Hazard statements
 H222 - Extremely flammable aerosol
 H280 - Contains gas under pressure; may explode if heated
 H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation
H320 - Causes eye irritation
H336 - May cause drowsiness or dizziness
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements

General

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use.

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing and eye/face protection

Response

General

P321 - For Specific treatment see section 4 of this sds
P314 - Get medical advice/attention if you feel unwell.

Eyes

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

Skin

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P363 - Wash contaminated clothing before reuse
P332 + P313 - If skin irritation occurs: Get medical advice/attention

Inhalation

P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell
P340 - Remove victim to fresh air and keep at rest in a position comfortable for breathing

Ingestion

P331 - Do NOT induce vomiting
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Fire

Not available

Spill

Not available

Storage

P405 - Store locked up
P410 - Protect from sunlight
P412 - Do not expose to temperatures exceeding 50 °C/122 °F
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazard(s) Not Otherwise Classified (HNOC)

None.

Physical Hazards Not Otherwise Classified (PHNOC)

Not available.

Unknown acute toxicity

0%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Heptanes	64742-49-0	40-50
Propane/Isobutane/N-Butane	68476-86-8	30-40
Odorless Mineral Spirits	8052-41-3	10-20

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information	Avoid contact with eyes, skin, and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention. If breathing has stopped, contact emergency medical services immediately. Get medical attention immediately if symptoms occur.
Ingestion	Seek medical attention immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.
Skin contact	Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Most important symptoms (acute)	Causes eye irritation. Inhalation causes Central Nervous System effects. Ingestion causing lung damage.
Most important symptoms (over-exposure)	Not available.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog. Dry chemical. Carbon dioxide (CO ₂). Cool containers / tanks with water spray.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards	Extremely Flammable Aerosol. Container may burst in fire. Keep product and empty container away from heat and sources of ignition. Sensitivity to static discharge.
Special protective equipment for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use with adequate ventilation to keep exposure levels below the OELS. Report spills as required by local and federal regulations.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain liquid and collect with an inert, non-combustible material.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into opening on top of can. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Do not lay on its side - keep upright. Store in a cool, dry, and well-ventilated place. Contents under pressure. Do NOT puncture or incinerate container.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. See section 10 for incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Heptanes	-	-	350 mg/m ³ TWA 350 mg/m ³ TWA
Propane/Isobutane/N-Butane	-	-	-
Odorless Mineral Spirits	500 ppm TWA 2900 mg/m ³ TWA	100 ppm TWA	350 mg/m ³ TWA

Appropriate engineering controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. A safety shower and eye wash station should be available for emergency use.

Individual protection measures, such as personal protective equipment**Eye protection**

Safety glasses with side-shields.

Skin and body protection

Protective gloves. Chemical resistant apron.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Wash hands before eating or using the washroom. Handle in accordance with good industrial hygiene and safety practice.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Heptanes	-	-	-	-	-	-	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-	-	-	-	-	-	-
Odorless Mineral Spirits	100 ppm TWA 572 mg/m ³ TWA	580 mg/m ³ STEL 290 mg/m ³ TWA	100 ppm TWA	100 ppm TWA 525 mg/m ³ TWA	100 ppm TWA	100 ppm TWA	525 mg/m ³ TWA	100 ppm TWA	100 ppm TWAEV 525 mg/m ³ TWAEV	125 ppm STEL 100 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Color	Opaque, Dark amber
Odor	Solvent
Odor threshold	No information available
pH	No data available
Melting point/range °C	No data available
Melting point/range °F	No data available
Boiling point/range °C	No data available
Boiling point/range °F	No data available
Flash point °C	-96.4
Flash point °F	-141
Flash point method used	based on propellant
Evaporation rate	No data available
Flammability (Solid, Gas)	No information available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.688
Solubility	Practically insoluble
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available

Decomposition temperature °C No data available

Decomposition temperature °F No data available

Viscosity No data available

10. STABILITY AND REACTIVITY

Reactivity Not available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal conditions of use.

Conditions to avoid Avoid extreme temperatures. Avoid direct sunlight.

Incompatible materials Strong acids. Strong oxidizing agents.

Hazardous decomposition products carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Dermal. Inhalation. Ingestion. Eyes.

Symptoms Exposure to high vapor concentrations may cause nervous system effects such as headache, nausea, and dizziness. irritating to the eyes. Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis. Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Symptoms of overexposure may be headache, tiredness, nausea, and vomiting. Irritating to skin. Irritating to eyes. May cause drowsiness and dizziness. Prolonged skin contact may defat the skin and produce dermatitis. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. Causes damage to organs through prolonged or repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. May be fatal if swallowed and enters airways. Target Organ Effects: Central nervous system. Eyes. Kidney. Respiratory system. Skin. Peripheral Nervous System (PNS).

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Heptanes	= 73680 ppm (Rat) 4 h	> 3160 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	> 5000 mg/kg (Rat) > 4300 mg/kg (Rat)
Propane/Isobutane/N-Butane	-	-	-
Odorless Mineral Spirits	-	-	-

ATEmix (dermal) 38731 mg/kg

ATEmix (oral) 96828 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) 314840 mg/l

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Heptanes	-	Group 3	-	-
Propane/Isobutane/N-Butane	-	-	-	-
Odorless Mineral Spirits	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Heptanes	-	-	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-	-	-
Odorless Mineral Spirits	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects

Chemical name	Algae/aquatic plants	Fish
Heptanes	-	258: 96 h <i>Salmo gairdneri</i> mg/L LC50 static
Propane/Isobutane/N-Butane	-	-
Odorless Mineral Spirits	-	-

Persistence and degradability No data available.

Bioaccumulation No information available

Chemical name	CAS-No	Partition coefficient (log Kow)
Heptanes 64742-49-0	64742-49-0	-
Propane/Isobutane/N-Butane 68476-86-8	68476-86-8	<=2.8
Odorless Mineral Spirits 8052-41-3	8052-41-3	-

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

Contaminated packaging Do not reuse containers. Dispose in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Subsidiary Risk
 Packing group
 Special Provisions LTD QTY

TDG

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Packing group
 Special Provisions LTD QTY

IATA

ID-No UN1950
 Proper shipping name Aerosols, flammable
 Hazard Class(es) 2.1
 Packing group
 Special Provisions LTD QTY

IMDG/IMO

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Packing group
 EmS No F-D, S-U
 Special Provisions LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Heptanes	64742-49-0	-	-	-
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Odorless Mineral Spirits	8052-41-3	X	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations See information below

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Heptanes	64742-49-0	X	X	X
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Odorless Mineral Spirits	8052-41-3	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Heptanes	64742-49-0	-
Propane/Isobutane/N-Butane	68476-86-8	-
Odorless Mineral Spirits	8052-41-3	-

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. Federal Regulations

US EPA SARA 313 See information below

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Heptanes	64742-49-0	-	-
Propane/Isobutane/N-Butane	68476-86-8	-	-
Odorless Mineral Spirits	8052-41-3	-	-

US EPA SARA 311/312 hazardous categorization

Acute Health Hazard
Chronic Health Hazard
Sudden Release of Pressure Hazard
Fire Hazard

International inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Heptanes	X	X	-
Propane/Isobutane/N-Butane	X	X	-
Odorless Mineral Spirits	X	X	-

Legend X - Listed

16. OTHER INFORMATION**NFPA**

Health 2
Flammability 4

Instability 0

HMIS

Health 2
Flammability 4
Physical hazards 1
Personal protection B

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note**Key to abbreviations**

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet